

Regional File - Wash Co.
Mt. Pleasant Twp.Department of
Environmental
ProtectionGENERAL
INSPECTION REPORTBureau of
Land Recycling
and Waste Management

Type of Inspection	WM Identification Number	Entry Time/Date	Exit Time/Date
Complaint # 289773	Client # 141142	6/13/12	same Imp # 2078785
Facility/Incident Name and Location		Municipality	
Range Resources - Appalachia, LLC		Mt. Pleasant Twp.	
Carter Impoundment		County	
Fort Cherry Rd.		Washington	
McDonald, PA 15057		Title	
Name, Address or Responsible Official		Environmental Engineer Manager	
Mr. Glenn Truzzi, P.E.		Telephone	
Range Resources - Appalachia, LLC.		724-743-5228(office)	
3000 Town Center Blvd.		412-965-5194(cell)	
Canonsburg, PA 15317		Interviewed? x YES NO	

Comments:

On site to investigate a citizen complaint at the above referenced facility with Glenn Truzzi, Environmental Engineering Manager for Range Resources ("Range") and Elizabeth Bertha of the PA DEP. Complaint allegations were related to the operation of the impoundment and questioned whether Range had a transfer station permit or similar general permit WMGR123. The complainant was also concerned with the constant truck traffic.

Range operates this facility under Dam Permit # 95-7-60915-8, issued 3/29/10 through the PA DEP's Bureau of Oil & Gas. According to Mr. Truzzi, the impoundment is permitted to accept flowback from fracking operations, brines and produced fluids from oil and gas production and development activities. The impoundment has a total capacity of 323,000 barrels or approximately 13.5 million gallons. The impoundment was originally lined with a 30 mil HDPE liner and another 40 mil liner was added at a later date. An underdrain system is used to monitor for any leaks. The underdrain flows to a wet well/manhole prior to discharge to an un-named tributary to Raccoon Creek. Apparently, the underdrain is picking up seasonal high groundwater, as the well was full, and weather conditions have been dry. The water in the manhole was field tested for specific conductance during the inspection and results were less than 150 umhos/cm. At the time of inspection, Mr. Truzzi was not sure how often the underdrain / manhole is being monitored.

Tanker trucks entering the facility must check in with a security guard before entering the fenced impoundment. Manifests are used to track volumes moved in and out by vehicle. In instances where a pipeline is used to transport fluids into or out of the impoundment, a flow meter is used according to Range. Trucks may unload through a cascade series of four 18,000 gallon weir tanks or they may hook up to a manifold system that discharges directly into the impoundment. The manifold system prevents trucks from backing to close to the impoundment and potentially damaging the liner system. Containment trays are situated below hose connection points.

The impoundment is equipped with several aerators which were not in use at the time. The weir tanks provide mechanical separation of solids and residual hydrocarbons, if needed. Range has an OG-71 permit, approved in July of


2011, to allow treatment of the wastewater with chlorine dioxide. According to Mr. Truzzi, no chemical treatment has occurred to date at this impoundment.

Range operates this facility under permits issued through the DEP's Oil & Gas division and as such, does not have a transfer station permit or general permit WMGR123 which are issued through the DEP's Bureau of Waste Management.

Hours of operation are not limited in the Dam Permit, nor are there conditions on traffic flow.

No violations noted during this inspection.

Violations:
None noted

Sample Collected? Y___ N_x__	Sample Numbers	Analysis	
Inspector Name Shawn Staley	Inspector Signature 	Headquarters California District Office SW Region - Pittsburgh	Date 6/25/12 Telephone (724)769-1059
Person Interviewed Name Glenn Truzzi Range Resources	Signature of Person Interviewed Sent Copy	Title Environ. Engineering Mgr.	Date 6/25/12 Telephone 724-743-5228

This document is official notification that a representative of the Department of Environmental Protection inspected the above-mentioned facility. The findings of the inspection are shown above and on any attached pages. Violations discovered as a result of this inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses, review of pertinent documents and further investigation. Notification will be forthcoming if such violations are discovered.